

- 10/66/95

=> fil reg

FILE 'REGISTRY' ENTERED AT 16:58:52 ON 05 AUG 2003

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 AUG 2003 HIGHEST RN 560991-54-0

DICTIONARY FILE UPDATES: 4 AUG 2003 HIGHEST RN 560991-54-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

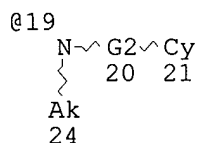
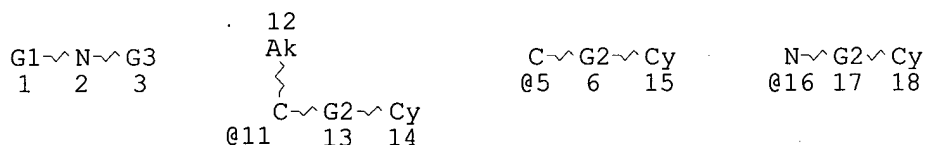
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d sta que l38

L33 STR



198513

VAR G1=5/11

REP G2=(0-1) AK

VAR G3=16/19

NODE ATTRIBUTES:

CONNECT IS M1 RC AT 14

CONNECT IS M1 RC AT 15

CONNECT IS M1 RC AT 18

CONNECT IS M1 RC AT 21

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

L35 SCR 1839 AND 1993

L36 SCR 1632 OR 1634

L37 SCR 2039, OR 2127 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 O

R 2051 OR 2043 OR 2054 OR 1918

L38 50 SEA FILE=REGISTRY CSS SAM L33 AND L35 AND L36 NOT L37

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov

3.2% PROCESSED 1000 ITERATIONS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

50 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
 BATCH **INCOMPLETE**
 PROJECTED ITERATIONS: 609140 TO 630140
 PROJECTED ANSWERS: 76748 TO 84358

=> d his

(FILE 'HOME' ENTERED AT 15:44:00 ON 05 AUG 2003)
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 15:44:15 ON 05 AUG 2003
 L1 1 S US20030092716/PN
 SEL RN

FILE 'REGISTRY' ENTERED AT 15:44:28 ON 05 AUG 2003
 L2 65 S E1-E65
 L3 1 S 2215-33-0
 L4 2 S 28668-95-3 OR 31523-22-5
 L5 15 S L2 AND 474787-?/RN
 L6 14 S L5 AND N>=2
 L7 47 S L2 NOT L3-L6
 L8 34 S L7 AND N>=2
 L9 10 S 614-65-3 OR 2824-60-4 OR 3788-81-6 OR 7385-99-1 OR 7727-07-3
 L10 9 S 111781-93-2 OR 157592-75-1 OR 173213-31-5 OR 302954-63-8 OR 3
 L11 19 S L9,L10 AND N>=2
 L12 33 S L6,L11
 L13 32 S L2 NOT L12
 L14 2 S L13 AND UNSPECIFIED

FILE 'HCAPLUS' ENTERED AT 16:39:18 ON 05 AUG 2003
 E ALMSTEAD J/AU
 L15 14 S E5-E7
 E IZZO N/AU
 L16 17 S E4-E9
 E JONES D/AU
 L17 251 S E3
 L18 302 S E84-E94
 E JONES DAVE/AU
 L19 496 S E3,E7
 E JONES DAVID R/AU
 L20 147 S E3-E5,E9
 E KAWAMOTO R/AU
 L21 17 S E3,E4,E6-E8
 L22 1240 S L15-L21
 L23 1239 S L22 NOT L1
 L24 189 S L12
 L25 0 S L23 AND L24
 L26 1 S L24 AND (PROC? OR GAMB?)/PA,CS
 L27 1 S L1,L26 AND L22

FILE 'REGISTRY' ENTERED AT 16:42:27 ON 05 AUG 2003

FILE 'HCAPLUS' ENTERED AT 16:42:32 ON 05 AUG 2003
 SET SMARTSELECT ON
 L28 SEL L23 1- RN : 2418 TERMS
 SET SMARTSELECT OFF

FILE 'REGISTRY' ENTERED AT 16:43:08 ON 05 AUG 2003

L29 2417 S L28
L30 747 S L29 AND N>=2
L31 671 S L30 NOT (SQL/FA OR PMS/CI)
L32 18 S L31 AND ?HYDRAZ?/CNS
L33 STR
L34 48 S L33 CSS SAM
L35 SCR 1839 AND 1993
L36 SCR 1632 OR 1634
L37 SCR 2039 OR 2127 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 OR 205
L38 50 S L33 AND L35 AND L36 NOT L37 CSS SAM
L39 STR L33
L40 50 S L39 AND L35 AND L36 NOT L37 CSS SAM
L41 STR L39
L42 50 S L41 AND L35 AND L36 NOT L37 CSS SAM
L43 STR L41
L44 50 S L41 AND L35 AND L36 NOT L37 CSS SAM

FILE 'REGISTRY' ENTERED AT 16:58:52 ON 05 AUG 2003

FILE 'HCAPLUS' ENTERED AT 16:59:22 ON 05 AUG 2003

L45 182 S L24 AND (PD<=20010504 OR PRD<=20010504 OR AD<=20010504)
L46 14819 S L14
L47 11971 S ERYTHROPOIETIN? OR EPO
L48 9465 S VASCUL? ENDOTHEL? GROWTH FACTOR
L49 16 S VASCULOTROPIN?
L50 508 S VASCUL? PERMEABIL? FACTOR
L51 276 S EPOETIN?
L52 10 S ANIMAL GROWTH REGULATOR VEGF
L53 7709 S VEGF
L54 1 S L45 AND L46-L53
L55 1 S L45 AND VASCULARI?
E BLOOD VESSEL/CT
L56 1 S L45 AND E3-E59
L57 0 S L45 AND E60-E96
L58 0 S L45 AND E97-E113
E E3+ALL
L59 1 S L45 AND E4+NT
E E25+ALL
L60 0 S L45 AND E4,E5,E3+NT
L61 1 S L45 AND ?VASCUL?
L62 1 S L27,L54-L61

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 17:07:23 ON 05 AUG 2003

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FILE COVERS 1907 - 5 Aug 2003 VOL 139 ISS 6

FILE LAST UPDATED: 4 Aug 2003 (20030804/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d 162 all

L62 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN

AN 2002:868743 HCAPLUS

DN 137:352894

TI Preparation of hydrazones and hydrazines for use in increasing **erythropoietin** and **vascularization** of tissue

IN **Almstead, Ji-In Kim; Izzo, Nicholas John; Jones, David Robert**

PA The Procter & Gamble Company, USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A61K031-53

ICS A61P009-00; A61P013-12; A61P025-00; A61P043-00

CC 27-16 (Heterocyclic Compounds (One Hetero Atom))

Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002089809	A1	20021114	WO 2002-US14106	20020506 <--
	W:				AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ
	RW:				GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
	US 2003092716	A1	20030515	US 2002-134890	20020429 <--
PRAI	US 2001-288765P	P	20010504	<--	
OS	MARPAT 137:352894				
AB	R1R2R3CNR4NR5R6 [R1, R6 = aryl, cycloalkyl, heteroaryl, heterocycloalkyl; R2, R4 = bond; R2, R4 = H; R3 = H, alkyl] were prepd. for use as VEGF stimulators in increasing erythropoietin and vascularization of tissue. Thus, 2-acetylpyridine was treated with 2-hydrazinopyridine to give the hydrazone which had EC50 for induction of VEGF formation of 0.65 (no units).				
ST	pyridyl hydrazone prepn VEGF erythropoietin vascularization stimulant				
IT	Blood vessel Human (prepn. of pyridyl hydrazones and hydrazines for use in increasing erythropoietin and vascularization of tissue)				
IT	11096-26-7, Erythropoietin 127464-60-2, Vascular endothelial growth factor RL: BSU (Biological study, unclassified); BIOL (Biological study) (prepn. of pyridyl hydrazones and hydrazines for use in increasing erythropoietin and vascularization of tissue)				
IT	2215-33-0P RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (prepn. of pyridyl hydrazones and hydrazines for use in increasing erythropoietin and vascularization of tissue)				

IT 614-65-3P 2824-60-4P 3788-81-6P
7385-99-1P 7727-07-3P 16111-50-5P
58333-11-2P 59473-50-6P 63711-22-8P
87877-49-4P 111781-93-2P 157592-75-1P
173213-31-5P 302954-63-8P 324031-29-0P
330645-61-9P 330980-90-0P 341942-20-9P
416885-82-0P 474787-56-9P 474787-57-0P
474787-58-1P 474787-59-2P 474787-60-5P
474787-61-6P 474787-62-7P 474787-63-8P
474787-65-0P 474787-66-1P 474787-67-2P
474787-68-3P 474787-69-4P 474787-70-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(prepn. of pyridyl hydrazones and hydrazines for use in increasing
erythropoietin and **vascularization** of tissue)

IT 66-72-8 79-19-6, Thiosemicarbazide 90-02-8, Salicylaldehyde, reactions
91-56-5, 2,3-Indoledione 95-01-2, 2,4-Dihydroxybenzaldehyde 100-63-0,
Phenylhydrazine 139-85-5, 3,4-Dihydroxybenzaldehyde 148-53-8,
2-Hydroxy-3-methoxybenzaldehyde 368-90-1, 4-
Trifluoromethylphenylhydrazine 529-20-4, o-Tolualdehyde 615-21-4,
2-Benzothiazolylhydrazine 708-06-5, 2-Hydroxy-1-naphthaldehyde
1121-60-4, 2-Pyridinecarboxaldehyde 1122-62-9, 2-Acetylpyridine
1122-72-1, 6-Methyl-2-pyridinecarboxaldehyde 4231-74-7,
N-Methyl-N-2-pyridylhydrazine 4930-98-7, 2-Hydrazinopyridine
15793-77-8, 2-Quinolylhydrazine 17284-97-8, 6-Chloro-3-
pyridazinylhydrazine 23906-13-0, 4,6-Dimethyl-2-pyrimidinylhydrazine
63286-28-2 63894-54-2 80751-35-5 89570-82-1 138949-13-0
241488-23-3, 5,7-Bis(trifluoromethyl)-1,8-naphthyridin-2-ylhydrazine
474787-64-9, 8-Hydroxy-3-isoquinolinecarboxaldehyde
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of pyridyl hydrazones and hydrazines for use in increasing
erythropoietin and **vascularization** of tissue)

IT 28668-95-3P 31523-22-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. of pyridyl hydrazones and hydrazines for use in increasing
erythropoietin and **vascularization** of tissue)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Collington, E; US 5985913 A 1999 HCAPLUS
(2) Juras; WO 0216315 A 2002 HCAPLUS
(3) Lin, Z; US 5942527 A 1999 HCAPLUS
(4) Mei, X; US 6329378 B1 2001 HCAPLUS

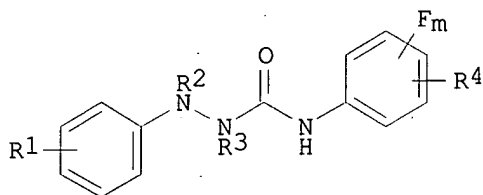
=> d all hitstr tot

L69 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:157730 HCAPLUS
DN 136:216542
TI Preparation of arylsemicarbazides as Factor XA inhibitors.
IN Mederski, Werner; Juraszyk, Horst; Dorsch, Dieter; Tsaklakidis, Christos;
Gleitz, Johannes; Barnes, Christopher
PA Merck Patent G.m.b.H., Germany
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DT Patent
LA German
IC ICM C07C311-47
ICS C07C317-42; C07C333-04; C07D211-46; C07D213-30; C07D257-04;
C07D295-08; C07D317-40; A61K031-175; A61K031-18; A61P009-00;
A61P035-00

CC 25-22 (Benzene, Its Derivatives, and Condensed Benzenoid Compounds)
Section cross-reference(s): 1

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002016315	A1	20020228	WO 2001-EP9667	20010821
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10040783	A1	20020307	DE 2000-10040783	20000821
	AU 2001082113	A5	20020304	AU 2001-82113	20010821
	EP 1311476	A1	20030521	EP 2001-960693	20010821
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	NO 2003000796	A	20030220	NO 2003-796	20030220
PRAI	DE 2000-10040783	A	20000821		
	WO 2001-EP9667	W	20010821		
OS	MARPAT 136:216542				
GI					



I

- AB Title compds. [I; R1 = (substituted) (CH₂)_nNH₂, CON:C(NH₂)₂, NHC(:NH)NH₂, C(:NH)NH₂; R2 = CO₂A; R3 = (cyclic) alkyl optionally interrupted by O, S; R4 = (substituted) Ph, etc.; A = H, (cyclic) alkyl; m = 0-4; n = 1-6], were prepd. Thus, 4'-[3-tert-butoxycarbonyl-3-[3-(N1-hydroxyamidino)phenyl]-2-propylcarbazoylamino]-N-tert-butylbiphenyl-2-sulfonamide (prepn. given) was stirred overnight in CF₃CO₂H to give 4'-[3-[3-(N2-hydroxyamidino)phenyl]-2-propylcarbazoylamino]biphenyl-2-sulfonamide.
- ST arylsemicarbazide prepn factor xa inhibitor; hydroxy amidinophenyl propylcarbazoylamino biphenylsulfonamide prepn factor xa inhibitor; semicarbazide biphenylsulfonamide amidinophenyl prepn factor xa inhibitor; antithrombotic arylsemicarbazide prepn; anticancer arylsemicarbazide prepn; antianginal arylsemicarbazide prepn; antiinflammatory arylsemicarbazide prepn; antiarteriosclerotic arylsemicarbazide prepn
- IT Brain, disease
(cerebrovascular, treatment; prepn. of arylsemicarbazides as Factor XA inhibitors)
- IT Artery, disease
(coronary, restenosis, treatment; prepn. of arylsemicarbazides as Factor XA inhibitors)
- IT Heart, disease
(infarction, treatment; prepn. of arylsemicarbazides as Factor XA inhibitors)
- IT Artery, disease
(intermittent claudication, treatment; prepn. of arylsemicarbazides as Factor XA inhibitors)

IT Antitumor agents
(metastasis; prepn. of arylsemicarbazides as Factor XA inhibitors)

IT Anti-inflammatory agents
Antianginal agents
Antiartherosclerotics
Anticoagulants
Antitumor agents
Human
(prepn. of arylsemicarbazides as Factor XA inhibitors)

IT Amidines
Sulfonamides
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(prepn. of arylsemicarbazides as Factor XA inhibitors)

IT 9002-05-5, Factor XA
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; prepn. of arylsemicarbazides as Factor XA inhibitors)

IT 57-56-7DP, Semicarbazide, derivs. 401948-20-7P 401948-22-9P
401948-23-0P 401948-25-2P 401948-26-3P 401948-28-5P 401948-29-6P
401948-31-0P 401948-32-1P 401948-33-2P 401948-35-4P 401948-37-6P
401948-38-7P 401948-39-8P 401948-40-1P 401948-41-2P 401948-42-3P
401948-43-4P 401948-44-5P 401948-45-6P 401948-46-7P 401948-47-8P
401948-48-9P 401948-49-0P 401948-50-3P 401948-51-4P 401948-52-5P
401948-53-6P 401948-54-7P 401948-55-8P 401948-56-9P 401948-57-0P
401948-58-1P 401948-59-2P 401948-60-5P 401948-61-6P 401948-62-7P
401948-63-8P 401948-64-9P 401948-65-0P 401948-66-1P 401948-67-2P
401948-68-3P 401948-69-4P 401948-70-7P 401948-71-8P 401948-72-9P
401948-73-0P 401948-74-1P 401948-75-2P 401948-76-3P 401948-77-4P
401948-78-5P 401948-79-6P 401948-80-9P 401948-81-0P 401948-82-1P
401948-83-2P 401948-84-3P 401948-85-4P 401948-86-5P 401948-87-6P
401948-88-7P 401948-89-8P 401948-90-1P 401948-91-2P 401948-92-3P
401948-93-4P 401948-94-5P 401948-95-6P 401948-96-7P 401948-97-8P
401948-98-9P 401948-99-0P 401949-00-6P 401949-01-7P 401949-02-8P
401949-03-9P 401949-04-0P 401949-05-1P 401949-06-2P 401949-07-3P
401949-08-4P 401949-09-5P 401949-10-8P 401949-11-9P 401949-12-0P
401949-13-1P 401949-14-2P 401949-15-3P 401949-16-4P 401949-17-5P
401949-18-6P 401949-19-7P 401949-20-0P 401949-21-1P 401949-22-2P
401949-23-3P 401949-24-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
(prepn. of arylsemicarbazides as Factor XA inhibitors)

IT 6952-59-6, 3-Bromobenzonitrile 15845-62-2, 4-Iodophenyl isocyanate
150691-04-6, 2-(tert-Butylaminosulfonyl)phenylboronic acid 168618-42-6,
2-Methylthiophenylboronic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of arylsemicarbazides as Factor XA inhibitors)

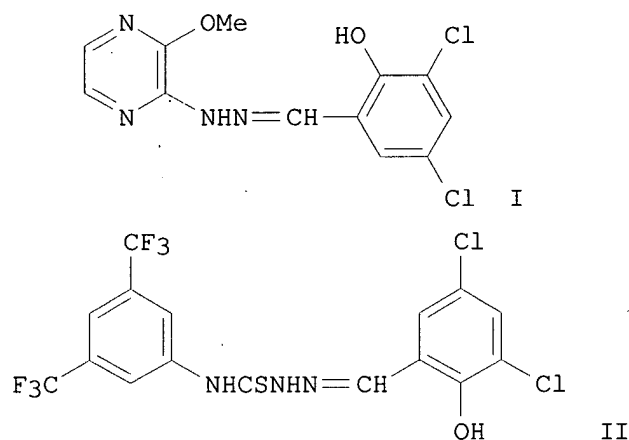
IT 380383-84-6P 401949-25-5P 401949-26-6P 401949-27-7P 401949-28-8P
401949-29-9P 401949-30-2P 401949-31-3P 401949-32-4P 401949-33-5P
401949-34-6P 401949-35-7P 401949-36-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. of arylsemicarbazides as Factor XA inhibitors)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Fevig, J; BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS 1998, V8(22), P3143
HCAPLUS
(2) Kissei Pharmaceutical; EP 1020434 A 2000 HCAPLUS

L69 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:895648 HCAPLUS
DN 136:19729

TI Hydrazone, hydrazine and thiosemicarbazone derivatives as antifungal agents
 IN Mei, Xiaodan; Wang, Peng; Caracoti, Andrei; Mingo, Pamela; Boyd, Vincent; Murray, Robert; Sisti, Nicholas J.; Xiang, Yi Bin; Zhu, Shuhao; Wobbe, C. Richard; Moore, Daniel
 PA Anadys Pharmaceuticals, Inc., USA
 SO U.S., 14 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM C07D241-12
 ICS C07D241-14; A61K031-4965
 NCL 514255050
 CC 21-2 (General Organic Chemistry)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6329378	B1	20011211	US 2000-501758	20000210 <--
PRAI	US 1999-119387P	P	19990210		
	US 1999-141117P	P	19990625		
OS	MARPAT 136:19729				
GI					



AB Title compds. such as I and (E)-II were prepd. as antifungal agents. Thus, I was prepd. in 3 steps starting from 2,3-dichloropyrazine and proceeding via 2-chloro-3-methoxypyrazine and 2-hydrazinyl-3-methoxypyrazine, the latter then being reacted with 3,5-dichlorosalicylaldehyde. I showed min. inhibitory concns. of 1, 1, and 2 .mu.g/mL against *Candida albicans*, *Saccharomyces cerevisiae*, and *Aspergillus nidulans*, resp.

ST antifungal hydrazine hydrazone thiosemicarbazone prepn
 IT Fungicides
 (hydrazone, hydrazine and thiosemicarbazone derivs.)

IT Hydrazones
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hydrazone, hydrazine and thiosemicarbazone derivs.)

IT Semicarbazones
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (thiosemicarbazones; hydrazone, hydrazine and thiosemicarbazone

derivs.)

IT 378780-56-4P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (hydrazone, hydrazine and thiosemicarbazone derivs. as antifungal agents)

IT **614-65-3P** 330980-93-3P 330981-02-7P 378780-54-2P
 378780-55-3P 378780-57-5P 378780-58-6P 378780-59-7P 378780-60-0P
 378780-61-1P 378780-62-2P 378780-63-3P 378780-64-4P 378780-66-6P
 378780-67-7P 378780-68-8P 378780-69-9P 378780-70-2P 378780-71-3P
 378780-72-4P 378780-73-5P 378780-74-6P 378780-75-7P 378780-76-8P
 378780-77-9P 378780-78-0P 378780-79-1P 378780-80-4P 378780-81-5P
 378780-82-6P 378780-83-7P 378780-84-8P 378780-85-9P 378780-86-0P
 378780-87-1P 378780-88-2P 378780-89-3P 378780-90-6P 378780-92-8P
 378780-93-9P 378780-94-0P 378780-95-1P 378780-96-2P 378780-97-3P
 378780-98-4P 378780-99-5P 378781-00-1P 378781-01-2P 378783-29-0P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hydrazone, hydrazine and thiosemicarbazone derivs. as antifungal agents)

IT 90-60-8, 3,5-Dichlorosalicylaldehyde 95-01-2, 2,4-Dihydroxybenzaldehyde
 104-37-0, 4-Dodecylbenzyl chloride 4858-85-9, 2,3-Dichloropyrazine
 23165-29-9, 3,5-Bis(trifluoromethyl)phenyl isothiocyanate 43002-22-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (hydrazone, hydrazine and thiosemicarbazone derivs. as antifungal agents)

IT 40155-28-0P, 2-Chloro-3-methoxypyrazine 210993-11-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (hydrazone, hydrazine and thiosemicarbazone derivs. as antifungal agents)

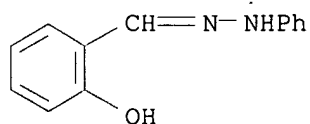
IT 260563-16-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (hydrazone, hydrazine and thiosemicarbazone derivs. as antifungal agents)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE
 (1) Konishi; Nippon Noyaku Gakkaishi V14, P295 HCAPLUS
 (2) Schilt; Talanta V26, P373 HCAPLUS

IT **614-65-3P**
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hydrazone, hydrazine and thiosemicarbazone derivs. as antifungal agents)

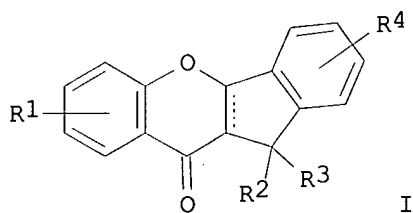
RN 614-65-3 HCAPLUS
 CN Benzaldehyde, 2-hydroxy-, phenylhydrazone (9CI) (CA INDEX NAME)



L69 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:733853 HCAPLUS
 DN 131:322537
 TI Preparation of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones
 and analogs for enhancing biosynthesis of **erythropoietin**

IN Williams, Jonathan Gareth; Houck, David R.; Smith, David Edward; Rathbone, Daniel Lee; Billington, David Charles; Golding, Bernard T.; Collington, Eric W.; Kitchin, John; Rich, Nicholas
 PA OSI Pharmaceuticals, Inc., USA
 SO U.S., 13 pp., Cont.-in-part of U.S. 5,882,436.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM A61K031-35
 ICS A61K031-365; C07D311-78
 NCL 514453000
 CC 27-14 (Heterocyclic Compounds (One Hetero Atom))
 Section cross-reference(s): 1
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5985913	A	19991116	US 1998-69693	19980429 <--
PRAI	US 1996-32268P	P	19961129		
	US 1997-978346	A2	19971126		
OS	MARPAT 131:322537				
GI					



AB Title compds. [I; R1, R4 = H or 1-4 of halo, alkyl, alkoxy, etc.; R2 = OR10 and R3 = H or R2R3 = O; R10 = H or alkanoyl; dashed line = optional addnl. bond] were prepd. Thus, 3',5'-dimethyl-2'-hydroxy-2-methylsulfinylacetophenone (prepn. given) was cyclocondensed with 2-(OHC)C6H4CHO to give I (R1 = 6,8-Me2, R2 = OH, R3 = R4 = H, dashed line = bond). Data for biol. activity of I were given.

ST hydroxybenzindenopyranone prepn **erythropoietin** biosynthesis;
 anemia treatment hydroxybenzindenopyranone prepn

IT Anemia (disease)
 (treatment; prepn. of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones and analogs for enhancing biosynthesis of **erythropoietin**)

IT 249514-70-3P 249514-71-4P 249514-72-5P 249514-73-6P 249514-74-7P
 249514-75-8P 249514-76-9P 249514-77-0P 249514-78-1P 249514-79-2P
 249514-80-5P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones and analogs for enhancing biosynthesis of **erythropoietin**)

IT **11096-26-7, Erythropoietin**
 RL: BOC (Biological occurrence); BSU (Biological study, unclassified); BIOL (Biological study); OCCU (Occurrence)
 (prepn. of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones and analogs for enhancing biosynthesis of **erythropoietin**)

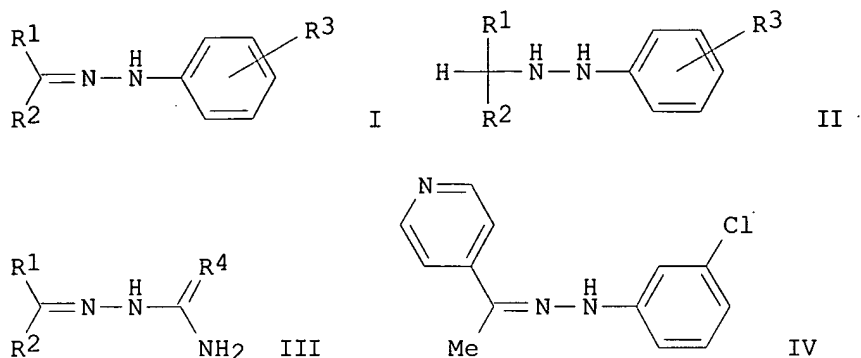
IT 105-67-9, 2,4-Dimethylphenol 643-79-8, Benzene-1,2-dicarboxaldehyde
 13209-31-9, 4-Chlorobenzene-1,2-dicarboxaldehyde 89226-83-5,
 4-Fluorobenzene-1,2-dicarboxaldehyde 161747-14-4, 3-Fluorobenzene-1,2-dicarboxaldehyde

RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones
and analogs for enhancing biosynthesis of **erythropoietin**)
IT 6245-04-1P 55359-87-0P 117369-92-3P 249514-81-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones
and analogs for enhancing biosynthesis of **erythropoietin**)
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Erb; US 5107032 1992 HCAPLUS
(2) Farooq, O; Synthesis 1994, V1035
(3) Whitehouse, M; Biochemical Pharmacology 1966, V16, P537
IT **11096-26-7, Erythropoietin**
RL: BOC (Biological occurrence); BSU (Biological study, unclassified);
BIOL (Biological study); OCCU (Occurrence)
(prepn. of 10,11-dihydro-11-hydroxybenz[b]indeno[2,1-e]pyran-10-ones
and analogs for enhancing biosynthesis of **erythropoietin**)
RN 11096-26-7 HCAPLUS
CN Erythropoietin (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L69 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:537949 HCAPLUS
DN 131:170270
TI Hydrazones, hydrazines, semicarbazones and thiosemicarbazones derived from
pyridyl ketones as anticonvulsant drugs and excitatory amino acid
antagonists
IN Kadaba, Pankaja K.; Lin, Zhaiwei
PA K & K Biosciences, Inc., USA
SO U.S., 12 pp.
CODEN: USXXAM
DT Patent
LA English
IC ICM C07D213-02
ICS A61K031-44
NCL 514357000
CC 27-16 (Heterocyclic Compounds (One Hetero Atom))
Section cross-reference(s): 1
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5942527	A	19990824	US 1997-917925	19970827 <--
PRAI	US 1997-917925		19970827		
OS	MARPAT 131:170270				
GI					



AB Pharmaceutical compns. comprise, as the active ingredients, hydrazones, hydrazines, and semicarbazones of the formulas I, II, and III [wherein R1 = 4-pyridyl or 3-pyridyl; R2 = Me, Et, Ph; R3 = 3,4-dichloro, p-chloro, or m-chloro; R4 = O or S]. The compds. are potent, orally active, nonneurotoxic anticonvulsants that are highly effective in the MES animal model, and are excitatory amino acid antagonists. The compns. are administered at dosages ranging from about 10 mg/kg to 200 mg/kg of body wt. The hydrazones I were prepd. by condensation of pyridyl ketones with phenylhydrazine hydrochlorides. The hydrazones I were reduced with BH3.THF to give the hydrazines II. Condensation of pyridyl ketones with semicarbazide gave the semicarbazones III. For instance, condensation of 3-ClC6H4NHNH2.HCl with Me 4-pyridyl ketone in refluxing aq. MeOH gave 77% title hydrazone IV. The latter had ED50 of 81.78 mg/kg i.p. in mice in the maximal electroshock seizure test, with a TD50 of 441.28 mg/kg in the rotarod test.

ST pyridyl ketone hydrazone hydrazine semicarbazone prepn anticonvulsant;
excitatory amino acid antagonist pyridyl ketone deriv prepn

IT Neurotransmitter antagonists
(excitatory amino acid; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

IT Anticonvulsants
 Glutamate antagonists
 (prepn. of hydrazones, hydrazines, semicarbazones, and
 thiosemicarbazones from pyridyl ketones as anticonvulsants and
 excitatory amino acid antagonists)

IT Hydrazones
 Semicarbazones
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (target compd.; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

IT 29078-51-1, (4-Chlorophenyl)[1-(3-pyridyl)ethyl]amine 239116-87-1,
(3-Chlorophenyl)[1-(3-pyridyl)ethyl]amine 239116-88-2,
(4-Chlorophenyl)[phenyl(4-pyridyl)methyl]amine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(comparison compd.; prepn. of hydrazones, hydrazines, semicarbazones,
and thiosemicarbazones from pyridyl ketones as anticonvulsants and
excitatory amino acid antagonists)

IT 152127-29-2, (3,4-Dichlorophenyl)[1-(4-pyridyl)ethyl]amine
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(comparison compds.; prepn. of hydrazones, hydrazines, semicarbazones,

and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

- IT 350-03-8, Methyl 3-pyridyl ketone 1073-70-7, 4-Chlorophenylhydrazine hydrochloride 1122-54-9, Methyl 4-pyridyl ketone 1570-48-5, Ethyl 3-pyridyl ketone 1701-69-5, Ethyl 4-pyridyl ketone 2312-23-4, 3-Chlorophenylhydrazine hydrochloride 5424-19-1, Phenyl 3-pyridyl ketone 14548-46-0, Phenyl 4-pyridyl ketone 19763-90-7, 3,4-Dichlorophenylhydrazine hydrochloride

RL: RCT (Reactant); RACT (Reactant or reagent)

(starting material; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

- IT 77129-21-6P, Methyl 4-pyridyl ketone 3-chlorophenylhydrazine 239116-69-9P, Methyl 3-pyridyl ketone 3,4-dichlorophenylhydrazine 239116-70-2P, Methyl 3-pyridyl ketone 4-chlorophenylhydrazine
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(target compd.; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

- IT 239116-67-7P, Methyl 4-pyridyl ketone 3,4-dichlorophenylhydrazine 239116-85-9P, Phenyl 4-pyridyl ketone semicarbazone 239116-86-0P, Phenyl 3-pyridyl ketone semicarbazone

RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(target compd.; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

- IT 239116-68-8P, Methyl 4-pyridyl ketone 4-chlorophenylhydrazine 239116-71-3P, Methyl 3-pyridyl ketone 3-chlorophenylhydrazine

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(target compd.; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

- IT 6335-40-6P, Methyl 3-pyridyl ketone semicarbazone 52140-92-8P, Methyl 4-pyridyl ketone semicarbazone 239116-72-4P, Ethyl 4-pyridyl ketone 3,4-dichlorophenylhydrazine 239116-73-5P, Ethyl 4-pyridyl ketone 4-chlorophenylhydrazine 239116-74-6P, Ethyl 4-pyridyl ketone 3-chlorophenylhydrazine 239116-75-7P, Phenyl 4-pyridyl ketone 3,4-dichlorophenylhydrazine 239116-76-8P, Phenyl 4-pyridyl ketone 4-chlorophenylhydrazine 239116-77-9P, Phenyl 4-pyridyl ketone 3-chlorophenylhydrazine 239116-78-0P, 1-(4-Chlorophenyl)-2-[1-(4-pyridyl)ethyl]hydrazine dihydrochloride 239116-79-1P, 1-(3-Chlorophenyl)-2-[1-(4-pyridyl)ethyl]hydrazine dihydrochloride 239116-80-4P, 1-(3,4-Dichlorophenyl)-2-[1-(3-pyridyl)ethyl]hydrazine dihydrochloride 239116-81-5P, 1-(4-Chlorophenyl)-2-[1-(3-pyridyl)ethyl]hydrazine dihydrochloride 239116-82-6P, 1-(3-Chlorophenyl)-2-[1-(3-pyridyl)ethyl]hydrazine dihydrochloride 239116-83-7P, Ethyl 4-pyridyl ketone semicarbazone 239116-84-8P, Ethyl 3-pyridyl ketone semicarbazone

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(target compd.; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and

excitatory amino acid antagonists)
IT 302-01-2DP, Hydrazine, derivs., preparation
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(target compds.; prepn. of hydrazones, hydrazines, semicarbazones, and thiosemicarbazones from pyridyl ketones as anticonvulsants and excitatory amino acid antagonists)

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE

- (1) Anon; Chemical Abstracts, vol. 112, 1990
- (2) Anon; Chemical Abstracts, vol. 57, 1962, p. 3420
- (3) Butler; J Chem Soc Perkin Trans 1 1984, P2109 HCAPLUS
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- (6) Da Re; Synthesis of Powerful Central Nervous System Stimulants 1960, V25, P1097 HCAPLUS
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- (17) Kadaba; US 4618681 1986 HCAPLUS
- (18) Kadaba; US 4689334 1987 HCAPLUS
- (19) Kadaba; US 4820721 1989 HCAPLUS
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DICTIONARY FILE UPDATES: 4 AUG 2003 HIGHEST RN 560991-54-0

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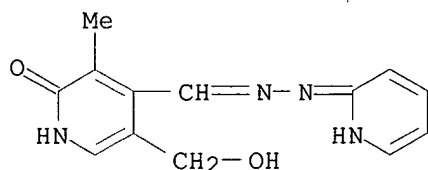
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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L12 ANSWER 1 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-70-7** REGISTRY
CN 4-Pyridinecarboxaldehyde, 1,2-dihydro-5-(hydroxymethyl)-3-methyl-2-oxo-,
4-(2-pyridinylhydrazone) (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C13 H14 N4 O2**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



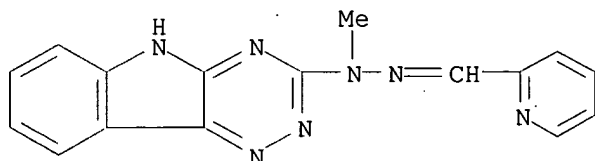
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 2 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-69-4** REGISTRY
CN 2-Pyridinecarboxaldehyde, methyl-5H-1,2,4-triazino[5,6-b]indol-3-
ylhydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C16 H13 N7**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

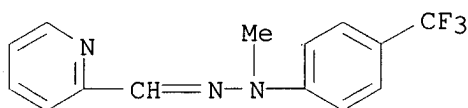


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 3 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-68-3** REGISTRY
CN 2-Pyridinecarboxaldehyde, methyl[4-(trifluoromethyl)phenyl]hydrazone (9CI)
(CA INDEX NAME)
FS 3D CONCORD
MF **C14 H12 F3 N3**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

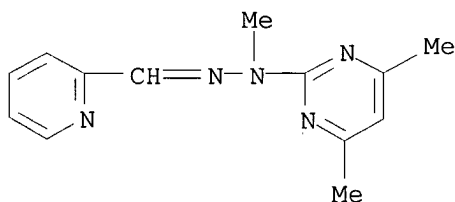


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 4 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-67-2** REGISTRY
CN 2-Pyridinecarboxaldehyde, (4,6-dimethyl-2-pyrimidinyl)methylhydrazone
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C13 H15 N5**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



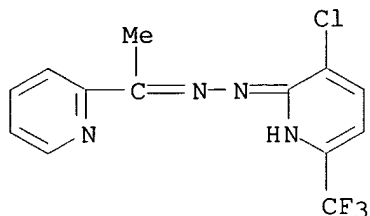
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 5 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-66-1** REGISTRY
CN 2(1H)-Pyridinone, 3-chloro-6-(trifluoromethyl)-, [1-(2-pyridinyl)ethylidene]hydrazone (9CI) (CA INDEX NAME)

FS 3D CONCORD
 MF **C13 H10 Cl F3 N4**
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

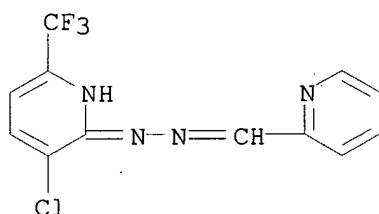


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 6 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
 RN **474787-65-0** REGISTRY
 CN 2-Pyridinecarboxaldehyde, [3-chloro-6-(trifluoromethyl)-2-pyridinyl]hydrazone (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF **C12 H8 Cl F3 N4**
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

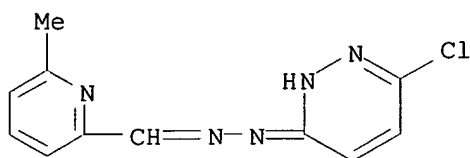


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 7 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
 RN **474787-63-8** REGISTRY
 CN 2-Pyridinecarboxaldehyde, 6-methyl-, (6-chloro-3-pyridazinyl)hydrazone (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF **C11 H10 Cl N5**
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

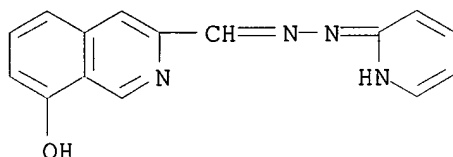


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 8 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-62-7** REGISTRY
CN 3-Isoquinolinecarboxaldehyde, 8-hydroxy-, 2-pyridinylhydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C15 H12 N4 O**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

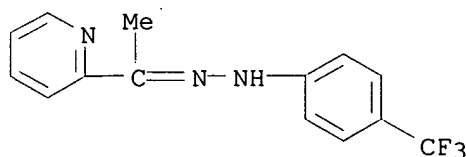


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 9 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-61-6** REGISTRY
CN Ethanone, 1-(2-pyridinyl)-, [4-(trifluoromethyl)phenyl]hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C14 H12 F3 N3**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

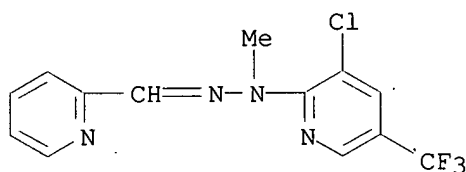


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 10 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-60-5** REGISTRY
CN 2-Pyridinecarboxaldehyde, [3-chloro-5-(trifluoromethyl)-2-pyridinyl]methylhydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C13 H10 Cl F3 N4**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

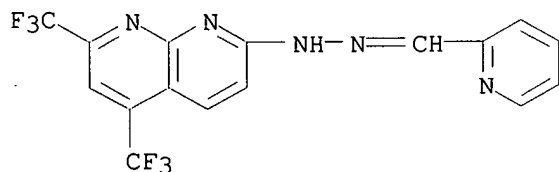


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 11 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-59-2** REGISTRY
CN 2-Pyridinecarboxaldehyde, [5,7-bis(trifluoromethyl)-1,8-naphthyridin-2-yl]hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C16 H9 F6 N5**
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



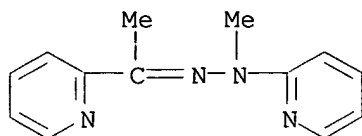
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 12 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **474787-58-1** REGISTRY
CN Ethanone, 1-(2-pyridinyl)-, methyl-2-pyridinylhydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C13 H14 N4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

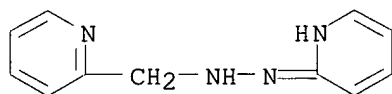


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 13 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN 474787-57-0 REGISTRY
CN 2(1H)-Pyridinone, (2-pyridinylmethyl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H12 N4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

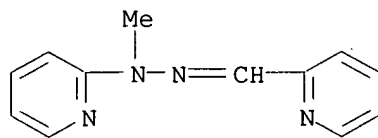


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 14 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN 474787-56-9 REGISTRY
CN 2-Pyridinecarboxaldehyde, methyl-2-pyridinylhydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C12 H12 N4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

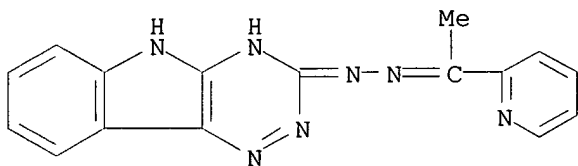


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 15 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **416885-82-0** REGISTRY
CN 3H-1,2,4-Triazino[5,6-b]indol-3-one, 2,4-dihydro-, [1-(2-pyridinyl)ethylidene]hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C16 H13 N7**
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

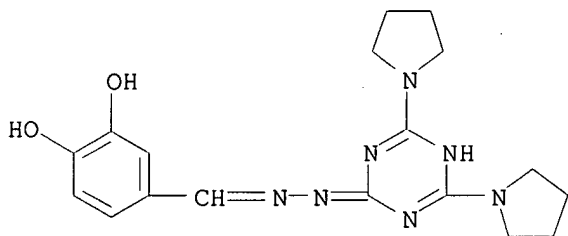


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 16 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **341942-20-9** REGISTRY
CN Benzaldehyde, 3,4-dihydroxy-, (4,6-di-1-pyrrolidinyl-1,3,5-triazin-2-yl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C18 H23 N7 O2**
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL



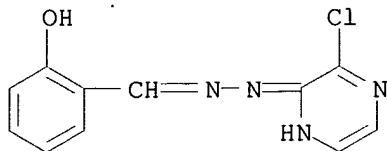
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 17 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **330980-90-0** REGISTRY
CN Benzaldehyde, 2-hydroxy-, (3-chloropyrazinyl)hydrazone (9CI) (CA INDEX NAME)

FS 3D CONCORD
MF C11 H9 Cl N4 O
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

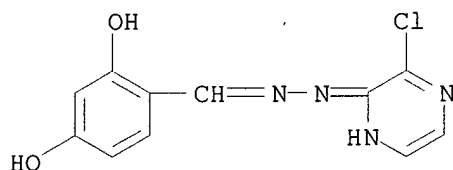


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 18 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN 330645-61-9 REGISTRY
CN Benzaldehyde, 2,4-dihydroxy-, (3-chloropyrazinyl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C11 H9 Cl N4 O2
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

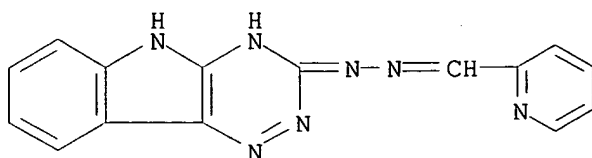


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 19 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN 324031-29-0 REGISTRY
CN 2-Pyridinecarboxaldehyde, (4H-1,2,4-triazino[5,6-b]indol-3-yl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C15 H11 N7
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

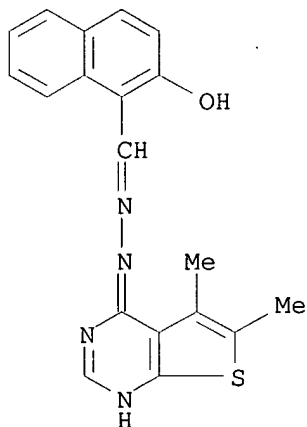


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 20 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **302954-63-8** REGISTRY
CN 1-Naphthalenecarboxaldehyde, 2-hydroxy-, (5,6-dimethylthieno[2,3-d]pyrimidin-4-yl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C19 H16 N4 O S**
SR Chemical Library
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL

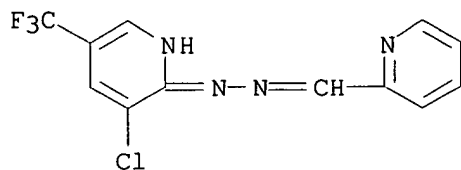


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

L12 ANSWER 21 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **173213-31-5** REGISTRY
CN 2-Pyridinecarboxaldehyde, [3-chloro-5-(trifluoromethyl)-2-pyridinyl]hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C12 H8 Cl F3 N4**
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, USPATFULL



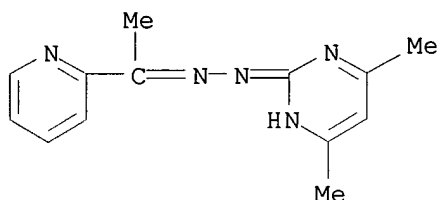
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1947 TO DATE)
2 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

REFERENCE 2: 124:130984

L12 ANSWER 22 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **157592-75-1** REGISTRY
CN 2(1H)-Pyrimidinone, 4,6-dimethyl-, [1-(2-pyridinyl)ethynylidene]hydrazone
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C13 H15 N5**
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL



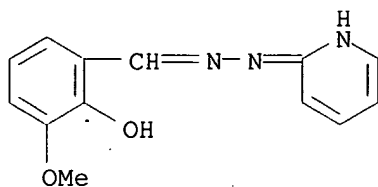
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1947 TO DATE)
2 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

REFERENCE 2: 121:173078

L12 ANSWER 23 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **111781-93-2** REGISTRY
CN Benzaldehyde, 2-hydroxy-3-methoxy-, 2-pyridinylhydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C13 H13 N3 O2**
SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, GMELIN*, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1947 TO DATE)
3 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

REFERENCE 2: 111:48202

REFERENCE 3: 108:299

L12 ANSWER 24 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN **87877-49-4** REGISTRY

CN 4-Pyridinecarboxaldehyde, 3-hydroxy-5-(hydroxymethyl)-2-methyl-,
2-pyridinylhydrazone (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Pyridoxal 2-pyridylhydrazone

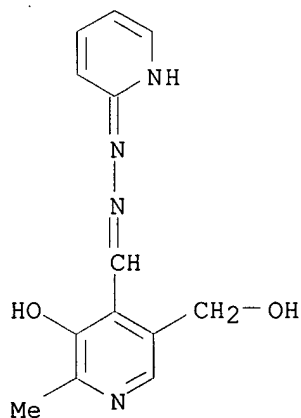
FS 3D CONCORD

MF **C13 H14 N4 O2**

CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, TOXCENTER,
USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

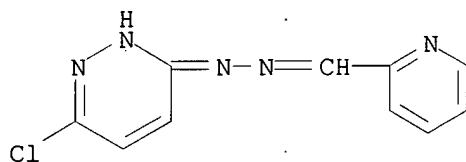
15 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
15 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

REFERENCE 2: 130:182286

REFERENCE 3: 128:265734
REFERENCE 4: 124:165153
REFERENCE 5: 124:75555
REFERENCE 6: 123:102033
REFERENCE 7: 122:186677
REFERENCE 8: 122:177689
REFERENCE 9: 116:187493
REFERENCE 10: 112:98388

L12 ANSWER 25 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **63711-22-8** REGISTRY
CN 2-Pyridinecarboxaldehyde, (6-chloro-3-pyridazinyl)hydrazone (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF **C10 H8 Cl N5**
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, USPATFULL
(*File contains numerically searchable property data)

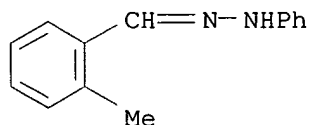


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1947 TO DATE)
2 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894
REFERENCE 2: 87:84903

L12 ANSWER 26 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
RN **59473-50-6** REGISTRY
CN Benzaldehyde, 2-methyl-, phenylhydrazone (9CI) (CA INDEX NAME)
OTHER NAMES:
CN o-Methylbenzaldehyde phenylhydrazone
FS 3D CONCORD
MF **C14 H14 N2**
LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

5 REFERENCES IN FILE CA (1947 TO DATE)
5 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894
REFERENCE 2: 107:228109
REFERENCE 3: 89:179065
REFERENCE 4: 85:108376
REFERENCE 5: 85:42100

L12 ANSWER 27 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN **58333-11-2** REGISTRY

CN 2-Pyridinecarboxaldehyde, 6-methyl-, 2-pyridinylhydrazone (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Picolinaldehyde, 6-methyl-, 2-pyridylhydrazone (7CI)

OTHER NAMES:

CN NSC 332994

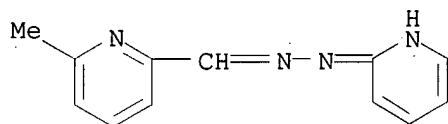
FS 3D CONCORD

MF **C12 H12 N4**

CI COM

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, GMELIN*,
TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

15 REFERENCES IN FILE CA (1947 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
15 REFERENCES IN FILE CAPLUS (1947 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:352894
REFERENCE 2: 123:159265
REFERENCE 3: 122:225151
REFERENCE 4: 121:173061
REFERENCE 5: 120:297925
REFERENCE 6: 120:281636
REFERENCE 7: 110:231439
REFERENCE 8: 108:160300

REFERENCE 9: 103:189309

REFERENCE 10: 94:184707

L12 ANSWER 28 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN 16111-50-5 REGISTRY

CN 2(1H)-Pyridinone, [1-(2-pyridinyl)ethylidene]hydrazone (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ketone, methyl 2-pyridyl, 2-pyridylhydrazone (8CI)

OTHER NAMES:

CN NSC 332437

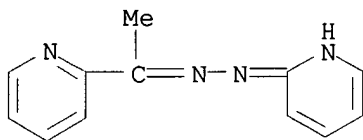
FS 3D CONCORD

MF C12 H12 N4

CI COM

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10 REFERENCES IN FILE CA (1947 TO DATE)

10 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 137:352894

REFERENCE 2: 129:62013

REFERENCE 3: 121:173061

REFERENCE 4: 110:231439

REFERENCE 5: 103:189309

REFERENCE 6: 91:56779

REFERENCE 7: 71:49810

REFERENCE 8: 66:90161

REFERENCE 9: 58:57882

REFERENCE 10: 58:57881

L12 ANSWER 29 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN 7727-07-3 REGISTRY

CN 2-Pyridinecarboxaldehyde, phenylhydrazone (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Picolinaldehyde, phenylhydrazone (6CI, 7CI, 8CI)

OTHER NAMES:

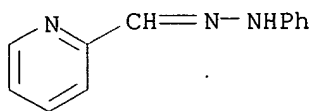
CN Pyridine-2-aldehyde phenylhydrazone

FS 3D CONCORD

MF C12 H11 N3

CI COM

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, GMELIN*,
SPECINFO, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

31 REFERENCES IN FILE CA (1947 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
31 REFERENCES IN FILE CAPLUS (1947 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:392552
REFERENCE 2: 137:352894
REFERENCE 3: 136:232329
REFERENCE 4: 135:203066
REFERENCE 5: 133:321923
REFERENCE 6: 120:297925
REFERENCE 7: 116:235823
REFERENCE 8: 116:54285
REFERENCE 9: 113:201071
REFERENCE 10: 109:85213

L12 ANSWER 30 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN 7385-99-1 REGISTRY

CN 2-Pyridinecarboxaldehyde, 2-quinolinyldiazine (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Picolinaldehyde, 2-quinolylhydrazine (7CI, 8CI)

OTHER NAMES:

CN 2-Pyridinecarboxaldehyde 2-quinolylhydrazine

CN 2-Pyridylaldehyde 2-quinolylhydrazine

CN Picolinealdehyde-2-quinolylhydrazine

CN PQ 22

CN Pyridine-2-aldehyde-2-quinolylhydrazine

FS 3D CONCORD

MF C15 H12 N4

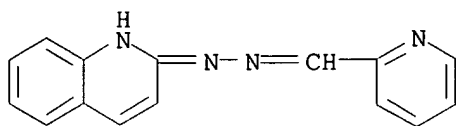
CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMLIST, CSCHEM, GMELIN*, IFICDB, IFIPAT, IFIUDB, SPECINFO, TOXCENTER,
USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

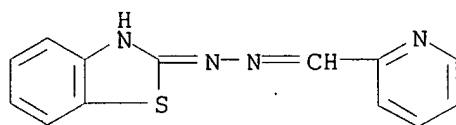


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

36 REFERENCES IN FILE CA (1947 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 36 REFERENCES IN FILE CAPLUS (1947 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:166215
 REFERENCE 2: 137:352894
 REFERENCE 3: 123:159265
 REFERENCE 4: 122:225151
 REFERENCE 5: 122:23306
 REFERENCE 6: 120:297925
 REFERENCE 7: 120:281636
 REFERENCE 8: 120:174748
 REFERENCE 9: 116:202010
 REFERENCE 10: 114:71075

L12 ANSWER 31 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN
 RN **3788-81-6** REGISTRY
 CN 2-Pyridinecarboxaldehyde, 2-benzothiazolyldiazone (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Picolinaldehyde, 2-benzothiazolyldiazone (7CI, 8CI)
 OTHER NAMES:
 CN 2-Pyridylaldehyde 2-benzothiazolyldiazone
 FS 3D CONCORD
 MF **C13 H10 N4 S**
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, IFICDB,
 IFIPAT, IFIUDB, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

14 REFERENCES IN FILE CA (1947 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 14 REFERENCES IN FILE CAPLUS (1947 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:352894
REFERENCE 2: 135:203066
REFERENCE 3: 117:244679
REFERENCE 4: 107:165463
REFERENCE 5: 103:189309
REFERENCE 6: 102:87723
REFERENCE 7: 101:219923
REFERENCE 8: 97:84053
REFERENCE 9: 92:94313
REFERENCE 10: 87:68212

L12 ANSWER 32 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN **2824-60-4** REGISTRY

CN Benzaldehyde, 2-hydroxy-, 2-pyridinylhydrazone (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Salicylaldehyde, 2-pyridylhydrazone (7CI, 8CI)

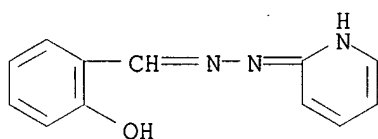
OTHER NAMES:

CN NSC 98558

FS 3D CONCORD

MF **C12 H11 N3 O**

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

18 REFERENCES IN FILE CA (1947 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
18 REFERENCES IN FILE CAPLUS (1947 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 137:352894
REFERENCE 2: 137:194466
REFERENCE 3: 123:159265
REFERENCE 4: 116:187493
REFERENCE 5: 109:66033
REFERENCE 6: 108:299
REFERENCE 7: 106:60461

REFERENCE 8: 103:223589

REFERENCE 9: 102:158127

REFERENCE 10: 101:136656

L12 ANSWER 33 OF 33 REGISTRY COPYRIGHT 2003 ACS on STN

RN **614-65-3** REGISTRY

CN Benzaldehyde, 2-hydroxy-, phenylhydrazone (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Salicylaldehyde, phenylhydrazone (6CI, 7CI, 8CI)

OTHER NAMES:

CN 2-Hydroxybenzaldehyde phenylhydrazone

CN NSC 68558

CN o-Hydroxybenzaldehyde phenylhydrazone

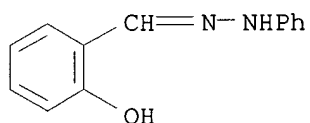
CN Salicylic aldehyde phenylhydrazone

FS 3D CONCORD

MF **C13 H12 N2 O**

LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, GMELIN*,
IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

74 REFERENCES IN FILE CA (1947 TO DATE)

5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

75 REFERENCES IN FILE CAPLUS (1947 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 138:130167

REFERENCE 2: 138:79189

REFERENCE 3: 137:361874

REFERENCE 4: 137:352894

REFERENCE 5: 137:78666

REFERENCE 6: 136:199863

REFERENCE 7: 136:167428

REFERENCE 8: 136:19729

REFERENCE 9: 133:275500

REFERENCE 10: 133:232028

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L14 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS on STN

RN **127464-60-2** REGISTRY

CN Vascular endothelial growth factor (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Animal growth regulator, VEGF
CN Animal growth regulators, glioma-derived vascular endothelial growth factors
CN Animal growth regulators, VEGF
CN Animal growth regulators, VEGF (vascular endothelial growth factor)
CN Cytokines, vascular permeability factor
CN Folliculo-stellate-derived growth factors
CN FSdGF pituitary hormones
CN Glioma-derived vascular endothelial growth factors
CN Pituitary hormones, folliculo-stellate-derived growth factors
CN Vascular permeability factor
CN Vasculotropin
MF **Unspecified**
CI MAN
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CEN, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IPA, MEDLINE, PHAR, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
7317 REFERENCES IN FILE CA (1947 TO DATE)
101 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7352 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 139:90457
REFERENCE 2: 139:83741
REFERENCE 3: 139:83734
REFERENCE 4: 139:83721
REFERENCE 5: 139:83672
REFERENCE 6: 139:83450
REFERENCE 7: 139:83196
REFERENCE 8: 139:83122
REFERENCE 9: 139:83120
REFERENCE 10: 139:83118

L14 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS on STN

RN **11096-26-7** REGISTRY

CN Erythropoietin (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ep

CN EPO

CN Epoetin

CN Epogis S

CN Hempoietine

MF **Unspecified**

CI COM, MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NIOSHTIC, PHAR, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

7614 REFERENCES IN FILE CA (1947 TO DATE)

183 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

7629 REFERENCES IN FILE CAPLUS (1947 TO DATE)

REFERENCE 1: 139:90456

REFERENCE 2: 139:90450

REFERENCE 3: 139:79531

REFERENCE 4: 139:79514

REFERENCE 5: 139:79502

REFERENCE 6: 139:79241

REFERENCE 7: 139:79179

REFERENCE 8: 139:79162

REFERENCE 9: 139:79130

REFERENCE 10: 139:78619

=> d his

(FILE 'HOME' ENTERED AT 15:44:00 ON 05 AUG 2003)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 15:44:15 ON 05 AUG 2003
L1 1 S US20030092716/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 15:44:28 ON 05 AUG 2003
L2 65 S E1-E65
L3 1 S 2215-33-0
L4 2 S 28668-95-3 OR 31523-22-5
L5 15 S L2 AND 474787-?/RN
L6 14 S L5 AND N>=2
L7 47 S L2 NOT L3-L6
L8 34 S L7 AND N>=2
L9 10 S 614-65-3 OR 2824-60-4 OR 3788-81-6 OR 7385-99-1 OR 7727-07-3
L10 9 S 111781-93-2 OR 157592-75-1 OR 173213-31-5 OR 302954-63-8 OR 3
L11 19 S L9,L10 AND N>=2
L12 33 S L6,L11
L13 32 S L2 NOT L12
L14 2 S L13 AND UNSPECIFIED

FILE 'HCAPLUS' ENTERED AT 16:39:18 ON 05 AUG 2003
E ALMSTEAD J/AU
L15 14 S E5-E7
E IZZO N/AU
L16 17 S E4-E9
E JONES D/AU
L17 251 S E3
L18 302 S E84-E94
E JONES DAVE/AU
L19 496 S E3,E7

L20 E JONES DAVID R/AU
147 S E3-E5,E9
E KAWAMOTO R/AU
L21 17 S E3,E4,E6-E8
L22 1240 S L15-L21
L23 1239 S L22 NOT L1
L24 189 S L12
L25 0 S L23 AND L24
L26 1 S L24 AND (PROC? OR GAMB?)/PA,CS
L27 1 S L1,L26 AND L22

FILE 'REGISTRY' ENTERED AT 16:42:27 ON 05 AUG 2003

FILE 'HCAPLUS' ENTERED AT 16:42:32 ON 05 AUG 2003

SET SMARTSELECT ON
L28 SEL L23 1- RN : 2418 TERMS
SET SMARTSELECT OFF

FILE 'REGISTRY' ENTERED AT 16:43:08 ON 05 AUG 2003

L29 2417 S L28
L30 747 S L29 AND N>=2
L31 671 S L30 NOT (SQL/FA OR PMS/CI)
L32 18 S L31 AND ?HYDRAZ?/CNS
L33 STR
L34 48 S L33 CSS SAM
L35 SCR 1839 AND 1993
L36 SCR 1632 OR 1634
L37 SCR 2039 OR 2127 OR 2050 OR 2049 OR 2048 OR 2053 OR 2052 OR 205
L38 50 S L33 AND L35 AND L36 NOT L37 CSS SAM
L39 STR L33
L40 50 S L39 AND L35 AND L36 NOT L37 CSS SAM
L41 STR L39
L42 50 S L41 AND L35 AND L36 NOT L37 CSS SAM
L43 STR L41
L44 50 S L41 AND L35 AND L36 NOT L37 CSS SAM

FILE 'REGISTRY' ENTERED AT 16:58:52 ON 05 AUG 2003

FILE 'HCAPLUS' ENTERED AT 16:59:22 ON 05 AUG 2003

L45 182 S L24 AND (PD<=20010504 OR PRD<=20010504 OR AD<=20010504)
L46 14819 S L14
L47 11971 S ERYTHROPOIETIN? OR EPO
L48 9465 S VASCUL? ENDOTHEL? GROWTH FACTOR
L49 16 S VASCULOTROPIN?
L50 508 S VASCUL? PERMEABIL? FACTOR
L51 276 S EPOETIN?
L52 10 S ANIMAL GROWTH REGULATOR VEGF
L53 7709 S VEGF
L54 1 S L45 AND L46-L53
L55 1 S L45 AND VASCULARI?
E BLOOD VESSEL/CT
L56 1 S L45 AND E3-E59
L57 0 S L45 AND E60-E96
L58 0 S L45 AND E97-E113
E E3+ALL
L59 1 S L45 AND E4+NT
E E25+ALL
L60 0 S L45 AND E4,E5,E3+NT
L61 1 S L45 AND ?VASCUL?
L62 1 S L27,L54-L61

FILE 'HCAPLUS' ENTERED AT 17:07:23 ON 05 AUG 2003

L63 3 S (US5985913 OR US5942527 OR US6329378)/PN

```

                SET SMA OFF
                SEL RAN.HCAPLUS(2) L62 1
                SET SMA LOGIN
L64             1 S E1
L65             4 S L63,L64
L66             1 S L65 AND L24
L67             1 S L65 AND L46-L53
L68             2 S L66,L67
L69             4 S L65,L68
    
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FILE 'REGISTRY' ENTERED AT 17:11:42 ON 05 AUG 2003